PATENT SPECIFICATION 1,082,008

DRAWINGS ATTACHED.

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COMPLETE SPECIFICATION.

Improvements in Electric Wall Boxes.

We, F. C. BLACKWELL & COMPANY LIMITED, a British Company, of Blaco Works, Musker Street, Crosby, Liverpool, 23, Lancashire, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The present invention relates to electric wall boxes which are used for electric cable outlets, such for example as switches, sockets and switch sockets.

The object of the present invention is to facilitate the support of electric wall boxes in openings in panels, for example wall panels, of various thicknesses.

According to the present invention, at least two opposite walls of a wall box for mounting in panels or walls of different thicknesses have pairs of slots spaced at differing distances from the mouth of the box, the slots of each pair being disposed at opposite sides of a threaded lug on the wall, and the box is provided with abutment elements in the form of flat metal strips each with a pair of abutment lugs extending substantially at right angles therefrom and adapted to extend through one of said pairs of slots to abut the panel or wall in which the box is being mounted and each adapted to be retained in position with its lugs passing through a pair of said slots by a screw passing through the threaded lug between the slots.

Preferably each of the two lugs of the abutment element is notched at a position adjacent to its junction with the strip, the notches of the two lugs being similarly directed whereby to assist in the holding of the strips in position by engagement of the ends of the slots in the notches of the lugs.

The invention is further described by way of example with reference to the drawings filed with the provisional specification, in which:—

Fig. 1 is a perspective view of an electric wall box according to the invention,

Fig. 2 is a perspective view of an abutment element,

Fig. 3 is a perspective view illustrating the box of Fig. 1 mounted in an opening of a relatively thin wall panel.

The wall box illustrated in Fig. 1 comprises a base 1 and walls 2, 3. Each of the walls 2, 3 is formed with an inwardly projecting lug 4 having a threaded hole therein to receive a cover screw.

In each of the walls 2 is formed a pair of slots 6 located fairly close to the mouth 7 of the box and at opposite sides of lug 4. In each of the walls 2 is also formed a second pair of slots 8 located more distantly from the mouth 7 of the box. If desired, a further pair or pairs of slots may be formed in the walls 2 at different distances from the mouth 7. If desired slots may similarly be formed in the walls 3.

Each box is provided with two abutment elements 10, of which one is illustrated in Fig. 2. Each abutment element comprises a flat metal strip with lugs 12 at each end thereof extending substantially at right angles from the strip. Each lug 12 is formed with a notch 13 near to its junction with the strip.

Fig. 1 illustrates a wall box with abutment elements 10 in position each with its lugs 12 extending through the slots 8 and retained in position by a screw 15. Fig. 1 also illustrates how the edges of the slots 8 engage in the notches 13 of the lug 12.

Fig. 3 illustrates a wall box according to the invention in position in a rectangular opening in a relatively thin wall panel 17,

[*Price 4s. 6d.*]

the lugs 12 projecting in this case through the slots 6.

If desired, the abutment elements may be shorter in length and thus the lugs 12 thereof and the slots of each pair less spaced apart.

WHAT WE CLAIM IS:—

1. An electric wall box for mounting in panels or walls of different thicknesses in which at least two opposite walls of the box have pairs of slots spaced at differing distances from the mouth of the box, the slots of each pair being disposed at opposite sides of a threaded lug on the wall, and the box is provided with abutment elements in the form of flat metal strips each with a pair of abutment lugs extending substantially at right angles therefrom and adapted to extend through one of said pairs of slots to abut the panel or wall in which the box is being mounted and each adapted to be retained in position with its lugs passing through a pair of said slots by a screw passing through the threaded lug between the slots.

2. A wall box as claimed in claim 1 in which each of the two lugs of the abutment element is notched at a position adjacent to its junction with the strip, the notches of the two lugs being similarly directed whereby to assist in the holding of the strips in position by engagement of the ends of the slots in the notches of the lugs.

3. Electric wall boxes substantially as hereinbefore particularly described with reference to and as illustrated in the drawings filed with the provisional specification.

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1082008 PROVISIONAL SPECIFICATION

2 SHEETS *This drawing is a reproduction of the Original on a reduced scale*

Sheets 1 & 2

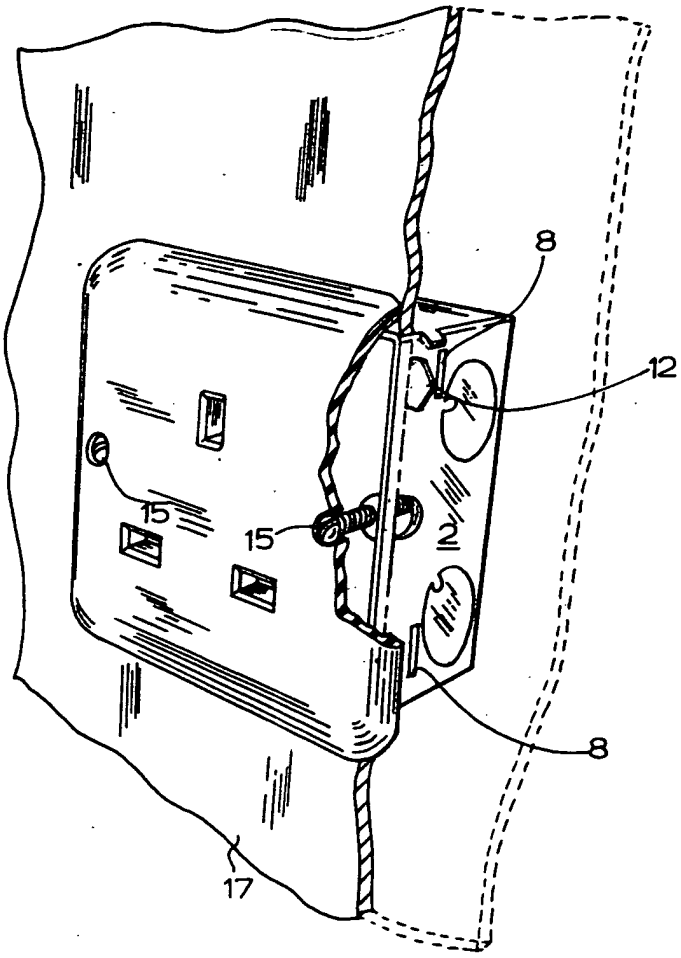

FIG. 3.

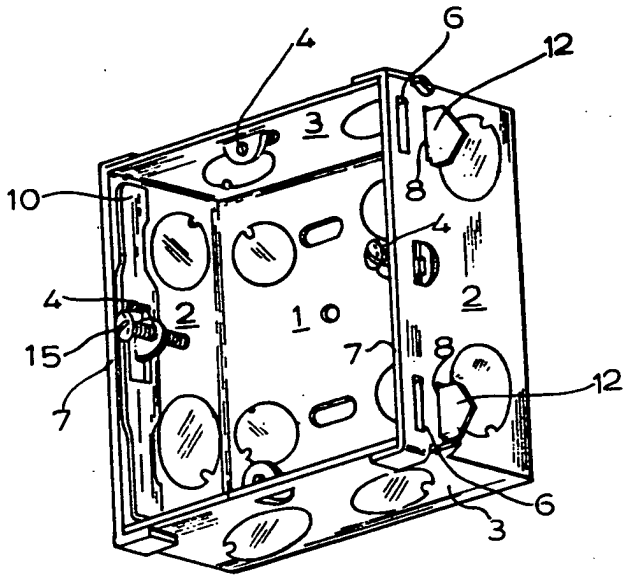

FIG.1.

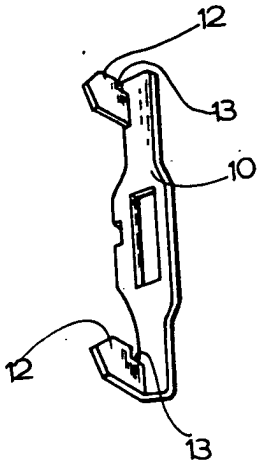

FIG.2.